

HARVEY & KNOTT DRUM, INC.
ADMINISTRATIVE RECORD FILE * **
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Technical Direction Document (TDD), Uncontrolled Hazardous Waste Site Project, prepared by Ecology and Environment, Inc., re: Performance of a Preliminary Assessment, 9/8/81. P. 100001-100003.
2. Site Safety Plan, prepared by Ecology and Environment, Inc., 11/2/81. P. 100004-100008.
3. Technical Direction Document (TDD), Uncontrolled Hazardous Waste Site Project, prepared by Ecology and Environment, Inc., re: Attendance at a site meeting and preparation of a toxicological impact assessment, 5/14/82. P. 100009-100010.
4. Peer Review of OSWER Information Materials for the Preliminary Assessment, 6/22/82. P. 100011-100014. A memorandum regarding comments on the peer review, dated July 15, 1982, and a memorandum regarding information relating to the peer review, dated July 15, 1982, are attached.
5. Handwritten memorandum to Phil from DKD [sic], re: Request to disregard a table attached to a previous memorandum, 6/25/82. P. 100015-100015.
6. Report: Site Inspection of Harvey-Knott Drum Site, Old County Road, Kirkwood, DE, prepared by Ecology and Environment, Inc., 7/1/82. P. 1000016-100051.
7. Handwritten notes of Mr. Yener A. Soylemez, U.S. EPA, re: Review comments on the Harvey-Knott Landfill Interim Site Inspection Report, 2/15/83. P. 100052-100054.
8. Memorandum to Ms. Linda Y. Boornazian, U.S. EPA, from

* Administrative Record File available 11/18/87, updated 8/7/92, 10/26/92, 1/6/93, and 5/16/97.

** Supporting Sampling Data is stored at the EPA Region III Central Regional Laboratory in Annapolis, Maryland.

Mr. Yener A. Soylemez, U.S. EPA, re: Request for revisions and corrections to the interim site inspection report, 2/15/83. P. 100055-100056. An Internal Review/Approval of Potential Hazardous Waste Site Investigation Program Documents form is attached.

II. REMEDIAL ENFORCEMENT PLANNING

1. Report: Harvey & Knotts Drum Site, Request for Preauthorization of Funds from the Hazardous Substance Response Fund, prepared by General Motors Corporation, 10/17/86. P. 200001-200313. The following are attached:
 - a) a transmittal letter, dated October 17, 1986;
 - b) a Consent Decree, United States of America and State of Delaware, Plaintiffs, V. Harvey & Knotts, Inc.; Harvey & Harvey, Inc.; Knotts, Inc.; Edna Knotts; and General Motors Corporation, Defendants, dated October 4, 1986;
 - c) the resume of Aloysius A. Aguwa;
 - d) the resume of Ernest R. Bosetti;
 - e) a letter regarding the Record of Decision (ROD), dated October 16, 1985;
 - f) the Record of Decision, Harvey & Knotts Site, dated September 30, 1985;
 - g) a report entitled " Remedial Action Work Plan, Harvey & Knott Drum Site," dated April 1986;
 - h) a Proposed Procurement Practices summary;
 - i) a Remedial Cost Estimate summary;
 - j) Attachment 1, Detailed Cost Breakdown;
 - k) a letter regarding DNREC's preferred remedial alternative, dated September 30, 1985;
 - l) a letter regarding a site funding proposal, dated May 15, 1986.
2. Consent Decree, United States of America and State of Delaware v. General Motors Corporation, Civil Action No. 87-464, 10/19/87. P. 200314-200533.

III. REMEDIAL RESPONSE PLANNING

1. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Ms. E. Ramona Trovato and Ms. Patricia F. Sosinski, U.S. EPA, re: Transmittal of lead results for sample numbers 820519-01 to -04, 5/20/82. P. 300001-300005. Evidence control log sheets for sample numbers 1701, 1702, 1709, and 1710 are attached.
2. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Ms. E. Ramona Trovato and Ms. Patricia F. Sosinski, U.S. EPA, re: Transmittal of lead results for sample numbers 820518-10 to -15, 5/20/82. P. 300006-300007. A Chain of Custody Record is attached.
3. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Analysis for volatile organic compounds of sample numbers 820518-17, -18, -25, and -30, 5/20/82. P. 300008-300008.
4. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Analysis for volatile organic compounds of sample numbers 820521-02 and -07, and 820527-01 and -02, 6/2/82. P. 300009-300011. The sampling results are attached.
5. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. James Jerpe, U.S. EPA, re: Extracts from sample numbers 820526-01 to -13 tested for PCB's, 6/2/82. P. 300012-300015. Table One, Table Two, Detection Limits; and a Chain of Custody Record are attached.
6. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. James W. Barron, U.S. EPA, re: PCB analysis for sample numbers 820518-16, -19 to -24, -27, 820521-01, and -03, 6/7/82. P. 300016-300016.
7. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: Examination of sample numbers 820527-01 and -02 for presence of organic compounds, 6/8/82. P. 300017-300020. The sampling results are attached.
8. Acknowledgement of Completion for Technical Direction Document form, prepared by Ecology and Environment, Inc., re: Technical labor hours expended, 6/8/82. P. 300021-300021.
9. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from

Ms. S. Rosemary Kayser, U.S. EPA, re: Sample numbers 820527-01 and -02 tested for pesticides and PCB's, 6/14/82. P. 300022-300022.

10. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Ms. S. Rosemary Kayser, U.S. EPA, re: PCB pesticide analysis for sample number 820602-08, 6/24/82. P. 300023-300023.
11. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Kirby K.F. Worthington, U.S. EPA, re: Energy dispersive x-ray fluorescence scans for sample numbers 820518-16, -19 to -20, -23, -26 to -27, 820521-01, and 820602-08, 6/28/82. P. 300024-300025. Table Two, Detection Limits, is attached.
12. Memorandum to Mr. Ron Preston, from Mr. Earl Hansen, Fred C. Hart Associates, Inc., re: Transmittal of a list of fortification levels for samples, 6/30/82. P. 300026-300028. A table, HWDS Laboratory Inorganic Quality Control Spikes, is attached.
13. U.S. EPA Analysis Request and Result Form for Western Regional Laboratory & Environmental Center, lab numbers 82070139-60 to -70, 7/1/82. P. 300029-300039.
14. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Water sampling for volatile organic compounds of sample numbers 820708-07 to -12, 7/19/82. P. 300040-300041. The sampling results are attached.
15. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: Semivolatile analysis for sample numbers 820702-01 to -13, 7/20/82. P. 300042-300051. The sampling results and quality control information are attached.
16. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin, U.S. EPA, re: Sample numbers 820702-01 to -06, and -08 to -11 analyzed for volatile organic compounds, 7/22/82. P. 300052-300053.
17. Memorandum to Mr. Bruce Smith, U.S. EPA, from Mr. H. Ronald Preston, U.S. EPA, re: Transmittal of metal analysis results, 7/22/82. P. 300054-300069. A Prepared Hazardous Waste Custody Record and 14 Analysis Request and Result Forms are attached.

18. Memorandum to Mr. Phil Retallick, U.S. EPA, from Mr. Daniel K. Donnelly, U.S. EPA, re: Analytical results and status of sampling to be performed, 7/26/82. P. 300070-300070.
19. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: Gas Chromatography/Mass Spectrometry analysis of sample numbers 820708-07 to -11, 7/26/82. P. 300071-300073. The sampling results and quality control information are attached.
20. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: Gas Chromatography/Mass Spectrometry analysis of sample numbers 820713-01 to -03, and -05 to -08, 7/27/82. P. 300074-300082. The sampling results and quality control information are attached.
21. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. James Barron, U.S. EPA, re: Diluted sample Nos. 820702-01 to -04, and -07 to -11, tested for PCB's, 7/27/82. P. 300083-300083.
22. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. James Barron, U.S. EPA, re: Diluted sample numbers 820713-01 to -04, and -07 to -08 tested for PCB's, 7/28/82. P. 300084-300084.
23. Memorandum to Mr. Bruce Smith, U.S. EPA, from Mr. Gerard W. Crutchley, U.S. EPA, re: Site visit conducted to perform a sampling survey, 8/2/82. P. 300085-300087. A list of sampling locations and analysis is attached.
24. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Ms. S. Rosemary Kayser, U.S. EPA, re: Pesticide analysis of sample numbers 820708-08 to -10, 8/4/82. P. 300088-300089. Table Two, Detection Limits, is attached.
25. U.S. EPA Volatile Organic Analysis (VOA) Report, Harvey & Knott Site, 8/13/82. P. 300090-300092. A transmittal letter is attached.
26. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from

- Mr. James Jerpe, U.S. EPA, re: Sample numbers 820805-01 and -02 tested for pesticides and PCB's, 8/17/82. P. 300093-300095. Table Two, Detection Limits, and a Chain of Custody Record are attached.
27. U.S. EPA Revised Volatile Organic Analysis (VOA) Report, Harvey & Knott Site, 8/19/82. P. 300096-300098. A transmittal letter is attached.
 28. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: Sample numbers 820805-01 and -02 tested for organic compounds, 8/31/82. P. 300099-300105. The sampling results and quality control information are attached.
 29. Memorandum to Mr Daniel K. Donnelly, U.S. EPA, from Mr. Rick Dreish, U.S. EPA, re: Water sample numbers 820805-01 to -02 tested for volatile organic compounds, 9/3/82. P. 300106-200108. Table #2, Compounds Found, and quality assurance information are attached.
 30. Letter to Ms. Christine Altomari, U.S. EPA, from Mr. Ramesh J. Shah, Delaware Department of Natural Resources and Environmental Control (DNREC), re: Transmittal of results of inorganic and organic analyses of water, 9/13/82. P. 300109-300119. Analysis request forms with results are attached.
 31. Memorandum to Mr. Robert J. Touhey, DNREC, from Mr. Ramesh J. Shah, DNREC, re: Transmittal of results of inorganic and organic analyses, 9/13/82. P. 300120-300121. The results are attached.
 32. Letter to Ms. Linda Haas, Viar and Company, from Mr. David S. Weinberg, Sverdrup Technology, Inc., re: Problems with sampling instruments that are causing a delay in the development of sample results, 11/22/82. P. 300122-300122.
 33. Report: Task Report to the Environmental Protection Agency, Harvey Knott Site: Health Implications and Recommendations, (no author cited), 12/30/82. P. 300123-300131.

34. Memorandum to Mr. Robert J. Touhey, DNREC, from Mr. Ramesh J. Shah, DNREC, re: Water samples collected at the site, 1/20/83. P. 300132-300133. A Table, Organic Parameters, is attached.
35. Report: Remedial Action Master Plan, prepared for Harvey-Knott Site, Kirkwood, Delaware, prepared by Roy F. Weston, Inc., 2/1/83. P. 300134-300190.
36. Action Memorandum to Mr. Lee Thomas, U.S. EPA, from Mr. William Hedeman, U.S. EPA, re: Authorization to proceed with the Remedial Investigation/Feasibility Study (RI/FS), 4/12/83. P. 300191-300194.
37. Letter to Mr. Rusi Charna, NUS Corporation, from Ms. Christine Altomari, U.S. EPA, re: Information to be included in the Work Plan, 5/23/83. P. 300195-300196.
38. Report: Work Plan, Initial Remedial Measure/Remedial Investigation/Feasibility Study of Alternatives, Harvey-Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 8/83. P. 300197-300277.
39. Letter to Mr. James Childerston, New Castle County Department of Law, from Ms. Heather Gray, U.S. EPA, re: Proposed right of way agreement for county property adjacent to the site, 4/26/84. P. 300278-300279.
40. Letter to Ms. Heather Gray, U.S. EPA, from Mr. John McCool, New Castle County Office of the Executive, re: Permission for EPA to enter and install monitoring wells on county property, 5/3/84. P. 300280-300281.
41. Letter to Ms. Stephany DelRe', U.S. EPA, from Mr. James Colella and Mr. E. Dennis Escher, NUS Corporation, re: Request for modification of the geophysical investigation, 5/15/84. P. 300282-300284. A site map is attached.
42. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. James Colella and Mr. E. Dennis Escher, NUS Corporation, re: Request for modification of the subsurface investigation, 8/6/84. P. 300285-300289.
43. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. James Colella, NUS Corporation, re: Transmittal of Work Plan Modification No. 1, requesting an expansion to the

Subsurface Investigation/Well Installation Program, 10/2/84. P. 300290-300293. Work Plan Modification No. 1 is attached.

44. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. James Colella and Mr. Donald Senovitch, NUS Corporation, re: Scope of Work and estimated budget for the test pit excavation/field screening sampling program, 1/14/85. P. 300294-300297.
45. Letter to Mr. Randy McAlister, DNREC, from Mr. Richard Zambito, U.S. EPA, re: Modification to the Work Plan to conduct soil testing, 1/25/85. P. 300298-300299.
46. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. James Colella, NUS Corporation, re: Status of the Phase II Subsurface Investigation Program, 1/29/85. P. 300300-300303.
47. Report: Preliminary Endangerment Assessment and Remedial Alternatives, Harvey & Knott Drum Site, prepared by Fred C. Hart Associates, Inc., 6/85. P. 300304-300366.
48. Letter to Mr. Richard Zambito, U.S. EPA, from Dr. M.D. Neptune, NUS Corporation, re: Information requested by EPA concerning cation exchange capacity estimates for inorganic contaminants and soil/sediment adsorption coefficient estimates for organic contaminants, 6/24/85. P. 300367-300369.
49. Memorandum to Ms. Joan Knapp from Mr. Joe Strenko, re: Trip report for July 29 through August 2, 1985, 8/2/85. P. 300370-300386. The following are attached:
 - a) contract laboratory information;
 - b) monitoring well information on well numbers 101D, 5, 8, and 16;
 - c) Table 1, Sample Information;
 - d) Table 2, Monitoring Well Data;
 - e) six pages of sampling results;
 - f) a site map.
50. Memorandum to Mr. Joseph Dugandzic, U.S. EPA, from Mr.

James Butch, U.S. EPA, re: Review comments on the Wetland Functional Assessment and Jurisdictional Determination, 9/10/85. P. 300387-300388.

51. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. Steven R. Garver, O'Brien and Gere, re: Submittal of technical comments from Chrysler Corporation, 9/25/85. P. 300389-300402. Technical comments on the RI/FS and Table 1, Organic Contaminants and Associated Industries, are attached.
52. Letter to Mr. Joseph Dugandzic, U.S. EPA, from Ms. Joan Knapp and Mr. David MacIntyre, NUS Corporation, re: Tables and figures requested by EPA for use in the Record of Decision (ROD), 9/26/85. P. 300403-300403.
53. Record of Decision, Remedial Alternative Selection, Harvey and Knott Drum Site, New Castle County, Delaware, 9/30/85. P. 300404-300453.
54. Letter to Mr. Thomas Voltaggio, U.S. EPA, from Mr. Robert J. Touhey, DNREC, re: DNREC's position on the remedial alternatives and comments on preferred remedial alternative "3A," 9/30/85. P. 300454-300455.
55. Letter to Mr. Gene Lucero, U.S. EPA, from Mr. Bruce Blanchard, U.S. Department of the Interior, re: Preliminary natural resources survey conducted by the Department of the Interior, 12/9/85. P. 300456-300456.
56. Letter to Mr. Joseph Dugandzic, U.S. EPA, from Ms. Joan Knapp and Mr. Donald Senovitch, NUS Corporation, re: Transmittal of the proposed statement of work and cost estimate for performance of the Quantitative Risk Assessment, 1/6/86. P. 300457-300469. The Workslope, Quantitative Risk Assessment and Alternative Concentration Limits (ACL) Study, Harvey and Knott Drum Site, is attached.
57. Report: Remedial Investigation/Feasibility Study Report, Volume I, Sections 1.0 through 7.0, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 4/86. P. 300470-300692.

58. Report: Remedial Investigation/Feasibility Study Report, Volume II, Sections 8.0 through 11.0, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 4/86. P. 300693-300848.
59. Report: Remedial Investigation/Feasibility Study Report, Volume III, Appendices A through J, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 4/86. P. 300849-301156.
60. Report: Remedial Investigation/Feasibility Study Report, Volume IV, Appendices K through O, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 4/86. P. 301157-301339.
61. Letter to Dr. Joseph P. Chu, General Motors Corporation, from Ms. Galina Bendersky, U.S. EPA, re: Comments on the draft Work Plan, 4/2/86. P. 301340-301341.
62. Report: Site Safety Plan, Harvey Knott Site, New Castle County, DE, (no author cited), (undated). P. 301342-301347.
63. Action memorandum to Mr. Lee Thomas, U.S. EPA, from Mr. William Hedeman, U.S. EPA, re: Authorization to proceed with the RI/FS, (undated). P. 301348-301351.
64. Remedy selection meeting attendance sheet, (undated). P. 301352-301352.
65. Letter to Mr. Robert Touhey, DNREC, from Ms. Chris Altomari, U.S. EPA, re: Telephone conversation concerning site activities, (undated). P. 301353-301354.
66. Technical Review of Documents, Scope of Work, (undated). P. 301355-301356.
67. Table ES-1, Summary of Remedial Action Alternatives, Harvey and Knott Drum Site, (undated). P. 301357-301357.
68. National Enforcement Investigation Center (NEIC)/Regulated Laboratory Summary Report, (undated). P. 301358-301359.
69. U.S. EPA Organics Analysis Data Sheets for sample

numbers OVOBL1NOV5, 8, 9, 10, and EBNABLNOV10, (undated). P. 301360-301379.

70. U.S. EPA Organics Analysis Data Sheets for well numbers 11, 13, and 16, (undated). P. 301380-301383.

EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) DOCUMENTS

71. Report: Quality Assurance Project Plan, Remedial Action, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by International Technology (IT) Corporation, 2/88. P. 301384-301522.
72. Letter to Ms. Deborah Buniski, Tetra Tech Richardson, Inc., from Mr. William K. Graham and Mr. Jim Colella, IT Corporation, re: Notification of dates that the first quarterly sampling event will be performed and that the sampling will be limited to the existing monitoring wells, 3/24/88. P. 301523-301532. A letter regarding the first quarter sampling event, dated May 23, 1988, and Table 3-3, Parameter Table, are attached.
73. Letter to Mr. Harry Harbold, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Request to discharge water from a pond at the site, 6/21/88. P. 301533-301533.
74. Report: First Quarterly Analytical Data Package, Harvey & Knott Site, Remedial Action Work Plan, New Castle County, Delaware, Sampling Dates: April 11, 12, & 18, 1988, prepared by IT Corporation, 6/23/88. P. 301534-301573. A cover letter is attached.
75. Letter to Mr. Robert J. Zimmerman, DNREC, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Request to discharge pond water from the site to Long Creek in order to remove scrap material and drums deposited on site, 6/28/88. P. 301574-301575.
76. Letter to Mr. Harry Harbold, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Notification of dates that the second quarterly sampling efforts will be performed, 7/8/88. P. 301576-301577. A letter regarding changes that occurred in the first and second quarterly sampling events, dated July 25, 1988, is attached.
77. Letter to Dr. Aloysius A. Aguwa, General Motors (GM) Corporation, from Mr. Joseph J. Hardman, DNREC, re:

Modifications made to the Remedial Design/Remedial Action (RD/RA) Work Plan not documented by GM in writing and a request for the changes to be documented, 7/13/88. P. 301578-301579.

78. Letter to Ms. Laura Boornazian, U.S. EPA, from Mr. Joseph J. Hardman, DNREC, re: Modifications made to the RD/RA not documented by GM and a request for closer EPA oversight of remedial actions performed by GM, 7/14/88. P. 301580-301581.
79. Letter to Ms. Laura Boornazian, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Discharge of pond water to Long Creek resulting in a change to the Work Plan, 7/15/88. P. 301582-301584. The revised part of the Work Plan, 5.10 - Task 10: Pond Cleanup, is attached.
80. Letter to Mr. Joseph J. Hardman, DNREC, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Notification that Tetra Tech adhered to the Consent Decree by forwarding to DNREC the revised Task 10 modification to the Work Plan, 7/22/88. P. 301585-301585.
81. Letter to Ms. Laura Boornazian, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Transmittal of the bid package for Task 3 - Surface Clean-up, 7/22/88. P. 301586-301604. The bid package is attached.
82. Letter to Ms. Laura Boornazian, U.S. EPA, from Mr. Joseph J. Hardman, DNREC, re: Approval to discharge pond water from the site and a suggestion for further sampling to be done mid-way through removal of the water, 8/10/88. P. 301605-301607. A memorandum regarding approval of the request for discharging of pond water and a suggestion for further sampling, dated August 3, 1988, is attached.
83. Letter to Ms. Deborah G. [sic] Buniski, Tetra Tech Richardson, Inc., from Ms. Laura A. Boornazian, U.S. EPA, re: EPA approval for discharge of pond water, 8/16/88. P. 301608-301608.
84. Letter to Ms. Deborah G. [sic] Buniski, Tetra Tech

- Richardson, Inc., from Ms. Laura A. Boornazian, U.S. EPA, re: Recommendation from the State of Delaware that further sampling be done mid-way through the discharge of pond water, 8/29/88. P. 301609-301609.
85. Report: Second Quarterly Analytical Data Package, Harvey & Knott Site, Remedial Action Work Plan, New Castle County, Delaware, Sample Dates: July 19, 20, 21, 1988, prepared by IT Corporation, 9/1/88. P. 301610-301651. A cover letter is attached.
86. Letter to Ms. Laura A. Boornazian, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Notification of the dates that the third quarterly sampling will be performed, 10/17/88. P. 301652-301652.
87. Report: Third Quarterly Analytical Data Package, Harvey & Knott Site, Remedial Action Work Plan, New Castle County, Delaware, Sample Dates: October 26, 27, 28, 1988, prepared by IT Corporation, 10/26/88 to 10/28/88. P. 301653-301693.
88. Report: Fourth Quarterly Analytical Data Package, Harvey & Knott Site, Remedial Action Work Plan, New Castle County, Delaware, Sample Dates: January 17, 18, 19, 20, 1989, prepared by IT Corporation, 1/17/89 to 1/20/89. P. 301694-301738.
89. Letter to Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., from Ms. Laura A. Boornazian, U.S. EPA, re: Request for information on a proposed dewatering plan so that subsurface clean-up can be performed, 4/12/89. P. 301739-301740.
90. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Transmittal of the draft Work Plan for the Soil Grid Sampling Task, 4/27/89. P. 301741-301750. The draft Work Plan for Soil Grid Sampling is attached.
91. Letter to Ms. Paula L. Retzler, U.S. EPA, from Mr. Glenn D. Schwartz, IT Corporation, re: Transmittal of the revised Soil Grid Sampling Plan, 4/28/89. P. 301751-301760. The revised plan is attached.
92. Letter to Ms. Paula L. Retzler, U.S. EPA, from Mr. James N. DiClementi, Versar, Inc., re: Comments on the Soil Grid Sampling Plan, 5/18/89. P. 301761-301768.

Attachment 1, Specific Comments on IT's Proposed Soil Grid Sampling Plan for the Harvey and Knott Drum Site, is attached.

93. Report: Letter Report, Harvey and Knott Drum Site, Kirkwood, Delaware, prepared by CDM Federal Programs Corporation, 5/22/89. P. 301769-301778. A cover letter is attached.
94. Letter to Mrs. Paula L. Retzler, U.S. EPA, from Mr. Joseph J. Hardman, DNREC, re: Comments on the proposed Soil Grid Sampling Plan, 5/23/89. P. 301779-301781. A transmittal memorandum is attached.
95. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Ronald Preston and Ms. Alyce Fritz, U.S. EPA, re: Comments on the Wetlands and Surface Water Assessment, 6/8/89. P. 301782-301782.
96. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Peter Stokely, U.S. EPA, re: Review of the Wetland Assessment and Remediation Project, 6/15/89. P. 301783-301786. A memorandum regarding comments on wetland areas made after a site visit and review of the Wetland Functional Assessment and Jurisdictional Determination, dated September 10, 1985, is attached.
97. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Submittal of the revised Soil Grid Sampling Work Plan and notification that until further information concerning contamination at the site is received the soil flushing studies will be stopped, 6/22/89. P. 301787-301787.
98. Report: Task 8, Soil Flushing Study, Soil Testing Results, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by IT Corporation, 6/23/89. P. 301788-301803. A transmittal letter is attached.
99. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Transmittal of a summary of meeting minutes held on June 7, 1989, 6/23/89. P. 301804-301807. The meeting summary is attached.

100. Report: Revised Sampling Work Plan, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by IT Corporation, 7/7/89. P. 301808-301826. Two transmittal letters are attached.
101. Table, Semi-annual Ground Water (GW) Sampling Locations, GM-Harvey & Knott Site, prepared by IT Corporation, 7/13/89. P. 301827-301827.
102. Telephone conversation record of D. Sims, U.S. EPA, with Mr. Mike Pesocla, Intech Biolabs, Inc., re: Analysis of sample numbers CZ-358, CZ-3359, and CZ-360, 8/3/89. P. 301828-301828.
103. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Diann Sims, U.S. EPA, re: Review of the Sampling and Analysis Plan and a request for additional information on a sampling technique, 8/4/89. P. 301829-301829.
104. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Mark R. Noll, U.S. EPA, re: Review of and problems with the revised Sampling Work Plan, 8/7/89. P. 301830-301831.
105. Report: Letter Reports, Harvey Knott Drum Site, prepared by CDM Federal Programs Corporation, 8/10/89. P. 301832-301839. A cover letter is attached.
106. Information Sheet, Treatment of Water From Dewatering System, (no author cited), 8/11/89. P. 301840-301840.
107. Report: Semi-Annual Analytical Data Package, Harvey & Knott Site, Remedial Action Work Plan, New Castle County, Delaware, prepared by IT Corporation, 9/89. P. 301841-301872a. A cover letter is attached.
108. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Roy L. Smith, U.S. EPA, re: Comments on the Soil Data and Sampling Work Plan revisions, 9/11/89. P. 301872b-301872b.
109. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of the Organic Data Review for Case 12206, 9/20/89. P. 301873-301963. The following are attached:

- a) the Organic Data Validation for Case 12206;
- b) Appendix A, Glossary of Data Qualifiers;
- c) Appendix B, Data Summary Forms;
- d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
- e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
- f) Appendix E, DPO Report for Contractual Compliance;
- g) Appendix F, Support Documentation.

110. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Transmittal of a list of subcontractors that may be used for site actions and permits for transporters, 10/26/89. P. 301964-301987. The following are attached:

- a) a letter regarding a list of subcontractors that may be used for drum removal and pond clean-up, dated November 9, 1989;
- b) Hazardous Waste Transporters Permit, Number OH-162, for Jack Gray Transport, Inc.;
- c) a letter regarding an extension of Permit Number OH-096 for Buffalo Fuel Corp., dated September 28, 1989;
- d) Permit, Number OH-96, for Buffalo Fuel Corp.;
- e) Permit, Number OH-272, for Suttles Truck Leasing, Inc.;
- f) Permit, Number OH-271, for Nappi Trucking Corporation;
- g) a letter regarding an extension to Permit Number OH-271 for Nappi Trucking Corporation, dated April 24, 1989;
- h) a letter regarding changes in Environmental Transport Group, Inc.'s fleet and additions

of disposal facilities to their permit, dated May 22, 1989;

- i) Permit, Number OH-67, for Environmental Transport Group, Inc.;
 - j) Permit, Number OH-313, for Horwith Trucks, Inc.;
 - k) a letter regarding extension of Transporter Permit Number OH-123, dated August 16, 1989;
 - l) Permit, Number OH-123, for Chemical Waste Management, Inc.;
 - m) a letter regarding a list of subcontractors that may be used for drum removal and pond clean-up, dated October 24, 1989.
111. Facsimile transmittal sheet to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah Dewsbury, DNREC, re: Transmittal of pond analysis, 11/2/89. P. 301988-301994. A letter regarding a request to discharge water from a pond on site to the Long Creek, dated June 21, 1988, and five pond water sample result sheets are attached.
112. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Tad B. Yancheski, Tetra Tech Richardson, Inc., re: Discussions concerning the Contract Lab Program (CLP) Statement of Work and how it may or may not relate to drum removal activities, 11/15/89. P. 301995-301995.
113. Telephone conversation record of Ms. Paula Retzler, U.S. EPA, with Mr. Tad Yancheski, Tetra Tech Richardson, Inc., re: Wadsworth Alert Laboratories testing of subsurface drum contents in the same manner as surface drums, 11/15/89. P. 301996-301997. A letter regarding EPA's response concerning subcontractors proposed to be used for lab analysis and transportation of waste materials, dated November 10, 1989, and a letter describing subcontractors' capabilities, dated November 22, 1989, are attached.
114. Letter to Mr. Satish Gupta, IT Corporation, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Comments on a request by IT Corporation for a change of scope for the Soil Grid Sampling Work Plan, 11/22/89. P. 301998-301999.

115. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of the Inorganic Data Validation for Case 12206, 12/21/89. P. 302000-302015. The following are attached:
- a) the Inorganic Data Validation for Case 12206;
 - b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
 - c) Table 1B, Codes Used in Comments Column;
 - d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
 - e) Table 3, Data Summary Form: Inorganic;
 - f) Appendix A, Results Reported by Laboratory Form Inorganics;
 - g) Appendix B, DPO Report.
116. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Tetra Tech Richardson, Inc., re: Transmittal of compatibility reports for drums removed from the subsurface, 12/28/89. P. 302016-302032. Sixteen drum compatibility report sheets are attached.
117. Transmittal memorandum to Mr. Keith Johns, Versar, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: The Drum Compatibility Report, 1/4/90. P. 302033-302033.
118. Transmittal memorandum to Mr. Rob Allen, DNREC, from Ms. Paula L. Retzler, U.S. EPA, re: The Drum Compatibility Report, 1/4/90. P. 302034-302034.
119. Transmittal memorandum to Mr. Keith Johns, Versar, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Waste Material Profile Sheets, 2/6/90. P. 302035-302045. Five Waste Material Profile Sheets are attached.
120. Facsimile transmittal form to Ms. Paula Retzler, U.S. EPA, from Ms. Deb [sic] Buniski, Clean Technologies, re: A letter regarding the use of Chem [sic] Waste Management as a transporter, 2/16/90. P. 302046-302047. A letter regarding the resubmittal of Chemical Waste Management, Inc. for a waste transporter permit,

dated February 15, 1990, is attached.

121. Telephone conversation record of Ms. Paula Retzler, U.S. EPA, with Mr. Don Short, State of Delaware, re: Confirmation of permits for two haulers to be used at the site, 2/20/90. P. 302048-302048.
122. Letter to Mr. Gregg Ziegenfuss, Horwith Trucks, Inc., from Mr. Donald K. Short, DNREC, re: Extension of Waste Transporter Permit, Number OH-313, 2/20/90. P. 302049-302049.
123. Letter to Ms. Deborah Buniski, Clean Technologies, from Ms. Paula L. Retzler, U.S. EPA, re: Review of a list of subcontractors that may be utilized by CECOS International, Inc., 2/23/90. P. 302050-302051.
124. Report: January Monthly Report, Remedial Design and Remedial Action Oversight, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by Versar, Inc., 2/27/90. P. 302052-302101. A cover letter is attached.
125. Report: Harvey and Knott Drum Disposal Site, New Castle County, Delaware, Soil Grid Sampling Program, prepared by IT Corporation, 3/90. P. 302102-302544. A cover letter is attached.
126. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Clean Technologies, re: Transmittal of the revised Soil Flushing Treatability Study, 3/26/90. P. 302545-302549. Attachment 2, Revised Soil Flushing Treatability Study, is attached.
127. Report: Second Semi-Annual Analytical Data Package, Harvey & Knott Drum Site, Remedial Action Work Plan, New Castle County, Delaware, prepared by IT Corporation, 4/2/90. P. 302550-302581.
128. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of the Inorganic Data Validation for Case 13473, 4/18/90. P. 302582-302614. The following are attached:

a) the Inorganic Data Validation for Case 13473;

- b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
- c) Table 1B, Codes Used in Comments Column;
- d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
- e) Table 3, Data Summary Form: Inorganics;
- f) Appendix A, Results Reported by Laboratory Form Inorganics;
- g) Appendix B, DPO Report;
- h) Appendix C, Support Documentation.

129. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of the Inorganic Data Validation for Case 13533, 4/20/90. P. 302615-302635. The following are attached:

- a) the Inorganic Data Validation for Case 13533;
- b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
- c) Table 1B, Codes Used in Comments Column;
- d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
- e) Table 3, Data Summary Form: Inorganics;
- f) Appendix A, Results Reported from Laboratory Form Inorganics;
- g) Appendix B, DPO Report;
- h) Appendix C, Support Documentation.

130. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Organic Data Validation for Case 13533, 5/7/90. P. 302636-302745. The following are attached:

- a) the Organic Data Validation for Case 13533;
- b) Appendix A, Glossary of Data Qualifiers;

- c) Appendix B, Data Summary Forms;
 - d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
 - e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
 - f) Appendix E, Organic Regional Data Assessment Summary;
 - g) Appendix F, Support Documentation.
131. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Organic Data Validation for Case 13473, 5/7/90. P. 302746-302937. The following are attached:
- a) the Organic Data Validation for Case 13473;
 - b) Appendix A, Glossary of Data Qualifiers;
 - c) Appendix B, Data Summary Forms;
 - d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
 - e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
 - f) Appendix E, Organic Regional Data Assessment Summary;
 - g) Appendix F, Support Documentation.
132. Report: Environmental Assessment, Wetlands and Surface Water, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by IT Corporation, 6/90. P. 302938-303140.
133. Report: Draft Sampling Report, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by CDM Federal Programs Corporation, 6/6/90. P. 303141-303173. A cover letter is attached.
134. Report: Draft Data Evaluation Report, Harvey and Knott Site, New Castle County, Delaware, prepared by CDM Federal Programs Corporation, 6/14/90. P. 303174-

303207. A cover letter is attached.
135. Telephone conversation record of Ms. Jean Cooper and Ms. Annette Lage, U.S. EPA, with Ms. Becky Williams, Enesco/Rocky Mountain Analytical, re: Field-filtered samples to be designated for laboratory quality control, 7/27/90. P. 303208-303208.
136. Report: Draft Soil Flushing Treatability Study, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by IT Corporation, 8/90. P. 303209-303246.
137. Report: July, 1990 Monthly Oversight Report, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by CDM Federal Programs Corporation, 8/21/90. P. 303247-303270. A cover letter is attached.
138. Report: Third Semi-Annual Analytical Data Package, Harvey & Knott Drum Site, Remedial Action Work Plan, New Castle County, Delaware, prepared by IT Corporation, 9/6/90. P. 303271-303311.
139. Memorandum to Mr. Randy Sturgeon, U.S. EPA, from Mr. Dan V. Slizys, U.S. EPA, re: Transmittal of Inorganic Data Validation for Case 14575, 9/26/90. P. 303312-303328. The following are attached:
- a) the Inorganic Data Validation;
 - b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
 - c) Table 1B, Codes Used in Comments Column;
 - d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
 - e) Appendix A, Results Reported by Laboratory Form Inorganics;
 - f) Appendix B, TPO Report.
140. Report Harvey and Knott Drum Site, New Castle County, Delaware, Interim Report, prepared by IT Corporation, 10/90. P. 303329-303448.
141. Memorandum to Mr. Randy Sturgeon, U.S. EPA, from Mr.

Dan V. Slizys, U.S. EPA, re: Transmittal of Organic Data Validation for Case 14575, 10/2/90. P. 303449-303573. The following are attached:

- a) the Organic Data Validation for Case 14575;
 - b) Appendix A, Glossary of Data Qualifiers;
 - c) Appendix B, Data Summary Forms;
 - d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
 - e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
 - f) Appendix E, Organic Regional Data Assessment Summary;
 - g) Appendix F, Support Documentation.
142. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Robert Allen, DNREC, re: Comments on the draft Soil Flushing Treatability Study, 10/5/90. P. 303574-303575.
143. Memorandum to Ms. Kathy Davies, Mr. Roy Smith, and Mr. Bob Davis, U.S. EPA, from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of the Interim Report, three figures from the Soil Grid Sampling Report, and a request for review comments, 10/5/90. P. 303576-303577.
144. Report: Evaluation Report, Soil Flushing Treatability Study, Harvey and Knott Drum Site, prepared by CDM Federal Programs Corporation, 10/17/90. P. 303578-303588. A cover letter is attached.
145. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Kathryn Davies, U.S. EPA, re: Comments on the Soil Flushing Treatability Study, 11/1/90. P. 303589-303595. An attachment entitled, Review of Soil Washing Technologies for Soil Contaminated with Heavy Metals, and Section 3, Technologies for In Situ Treatment, are attached.
146. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Roy L. Smith, U.S. EPA, re: Comments on the interim report, 11/5/90. P. 303596-303596.

147. Report: Harvey and Knott Drum Site, Remedial Design/Remedial Action Project, Interim Report, prepared by CDM Federal Programs Corporation, 11/27/90. P. 303597-303603. A cover letter is attached.
148. Letter to Ms. Deborah Buniski, Clean Technologies, from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of review comments on the Soil Flushing Treatability Study from EPA, the State of Delaware, and Versar, 11/29/90. P. 303604-303604.
149. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Robert S. Davis, U.S. EPA, re: Recommendation for chronic toxicity studies to be conducted while clean up actions at the site are occurring, 12/6/90. P. 303605-303605.
150. Letter to Ms. Deborah A. Buniski, Clean Technologies, from Ms. Paula L. Retzler, U.S. EPA, re: Request for specific monitoring wells to be sampled during the upcoming semi-annual round of sampling, 12/21/90. P. 303606-303607.
151. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Clean Technologies, re: Comments on various remediation options outlined by EPA, 1/25/91. P. 303608-303610.
152. Telephone conversation record of J. Snyder and C. Walling, U.S. EPA, with Ms. Vivian Fuchese, Columbia, re: Missing inorganic sample, MCBP34, from a shipment sent to Columbia, 2/8/91. P. 303611-303611.
153. Letter to Ms. Deborah A. Buniski, Clean Technologies, from Ms. Paula L. Retzler, U.S. EPA, re: Summary of conclusions concerning the current status of the site reached at a meeting between EPA and the State of Delaware, 2/12/91. P. 303612-303614. A map of monitoring well locations and contaminant levels is attached.
154. Report: Fourth Semi-Annual Analytical Data Package, Harvey & Knott Drum Site, Remedial Action Work Plan, New Castle County, Delaware, prepared by IT Corporation, 3/8/91. P. 303615-303647. A cover letter is attached.

155. Report: Harvey and Knott Drum Site, February Remedial Design and Remedial Action Oversight, prepared by CDM Federal Programs Corporation, 3/20/91. P. 303648-303669. A cover letter is attached.
156. Facsimile transmittal sheet to Ms. Deborah Buniski, Clean Technologies, from Ms. Paula Retzler, U.S. EPA, re: Official letter to be sent next week, 4/10/91. P. 303670-303671. Information on the depth of new wells is attached.
157. Letter to Ms. Deborah A. Buniski, Clean Technologies, from Ms. Paula L. Retzler, U.S. EPA, re: Request for the placement of additional wells to be down gradient of the wetlands adjacent to the site, 4/16/91. P. 303672-303680. A hand-drawn sketch of monitoring horizons for monitoring wells, five Visual Classification of Soils' forms, and a map of monitoring well locations are attached.
158. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Clean Technologies, re: Development of well specifications for monitoring well (MW) -116, MW-117, and MW-118B, 4/17/91. P. 303681-303682. The specifications are attached.
159. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Inorganic Data Review for Case 15838, 4/30/91. P. 303683-303708. The following are attached:
- a) the Inorganic Data Validation for Case 15838;
 - b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
 - c) Table 1B, Codes Used in Comments Column;
 - d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
 - e) Table 3, Data Summary Form: Inorganics;
 - f) Appendix A, Results Reported by Laboratory Form Inorganics;
 - g) Appendix B, TPO Report.
160. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms.

Theresa A. Simpson, U.S. EPA, re: Transmittal of the Organic Data Review for Case 15838, 5/7/91. P. 303709-303870. The following are attached:

- a) the Organic Data Validation for Case 15838;
- b) Appendix A, Glossary of Data Qualifiers;
- c) Appendix B, Data Summary Forms;
- d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
- e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
- f) Appendix E, Organic Regional Data Assessment Summary;
- g) Appendix F, Support Documentation.

161. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Clean Tech, Inc., re: Transmittal of well logs and hydrogeological cross-sections for new monitoring wells at the site, 6/25/91. P. 303871-303890. The following are attached:

- a) two monitoring well cross-sections;
- b) two maps showing monitoring well locations;
- c) four pump and surge cross-section diagrams;
- d) eleven hydrogeological cross-section descriptions.

162. Report: Harvey and Knott Drum Site, RD/RA Oversight Report, prepared by CDM Federal Programs Corporation, 7/1/91. P. 303891-303913. A cover letter is attached.

163. Report: Fifth Semiannual [sic] Analytical Data Package, Harvey and Knott Drum Site, Remedial Action, New Castle County, Delaware, prepared by IT Corporation, 8/30/91. P. 303914-303945. A transmittal letter is attached.

164. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of

Organic Data Review for Case 16814, 10/15/91.
P. 303946-304053. The following are attached:

- a) the Organic Data Validation for Case 16814;
- b) Appendix A, Glossary of Data Qualifiers;
- c) Appendix B, Data Summary Forms;
- d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
- e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
- f) Appendix E, Organic Regional Data Assessment Summary;
- g) Appendix F, Support Documentation.

165. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Inorganic Data Review for Case 16814, 10/17/91.
P. 304054-304079. The following are attached:

- a) the Inorganic Data Validation for Case 16814;
- b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
- c) Table 1B, Codes Used in Comments Column;
- d) Table 2, Glossary of Data Qualifier Codes (Inorganic);
- e) Table 3, Data Summary Form: Inorganics;
- f) Appendix A, Results Reported by Laboratory Form Inorganics;
- g) Appendix B, TPO Report.

166. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Russell J. Meier, Versar, Inc., re: Transmittal of the fifth semiannual sampling results, 10/30/91. P. 304080-304080.

167. Report: July Monthly Report, Remedial Design and Remedial Action Oversight, Harvey and Knott Drum Site,

prepared by CDM Federal Programs Corporation, 11/6/91.
P. 304081-304108. A cover letter is attached.

168. Report: Data Analyses Report, Harvey and Knott Drum Site, prepared by CDM Federal Programs Corporation, 11/18/91. P. 304109-304123. A cover letter is attached.
169. Memorandum to file from Ms. Paula L. Retzler, U.S. EPA, re: Clean-up levels for soils, 12/91. P. 304124-304147. The following are attached:
 - a) handwritten notes on soil cleanup levels;
 - b) a memorandum regarding Risk Based Concentrations (RBC), dated February 19, 1992;
 - c) RBC table background information;
 - d) seventeen RBC tables.
170. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Robert S. Davis, U.S. EPA, re: Comments and questions to be considered for discussion at a February 6, 1992 meeting concerning site activities, 2/3/92. P. 304148-304149.
171. Telephone conversation record of J. Snyder and A. Lage, U.S. EPA, with Ms. Heather Kaese, KeyPa, re: A box containing incorrect information about samples and quality control designations, 2/7/92. P. 304150-304150.
172. Telephone conversation record of J. Snyder and A. Lage, U.S. EPA, with Ms. Heather Kaese, ITSTU, re: Quality control designations recorded incorrectly, 2/7/92. P. 304151-304151.
173. Memorandum to Mr. Robert Davis, U.S. EPA, from Ms. Paula L. Retzler, U.S. EPA, re: Meeting results concerning review comments on the Environmental Assessment - Wetlands and Surface Water, 3/12/92. P. 304152-304166. The following are attached:

- a) a memorandum regarding issues to be considered for discussion at a meeting, dated February 3, 1992;
 - b) a letter regarding the U.S. Fish and Wildlife Service's comments on Environmental Assessment - Wetlands and Surface Water, dated October 12, 1990;
 - c) EPA response to comments from Dr. Preston on the Environmental Assessment - Wetlands and Surface Waters;
 - d) a memorandum regarding the Biological Technical Assistance Group comments on a document, dated October 16, 1990;
 - e) EPA responses to comments from the Biological Technical Assistance Group on the Environmental Assessment - Wetlands and Surface Waters;
 - f) the Environmental Assessment of Wetlands and Surface Waters.
174. Telephone conversation record of J. Snyder and A. Lage, U.S. EPA, with Mr. Kevin Connell, KeyPa, re: Correction to a previous telephone log of February 7, 1992 regarding incorrect quality control designations, 2/19/92. P. 304167-304167.
175. Memorandum to Ms. Paula Retzler and Ms. Kate Lose, U.S. EPA, from Mr. Robert S. Davis, U.S. EPA, re: Observations made during a site visit, 3/13/92. P. 304168-304168.
176. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Deborah A. Buniski, Clean Tech, Inc., re: Transmittal of the sixth semi-annual analytical data package, 3/27/92. P. 304169-304217. The data package is attached.
177. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Mara I. Hlavacik and Mr. Satish K. Gupta, IT Corporation, re: Performance of the second quarterly monitoring program in July 1988, 3/31/92. P. 304218-304218.

178. Letter to Mr. Russell Meier, Versar, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of the sixth semi-annual analytical data package, 4/3/92. P. 304219-304219.
179. Letter to Mr. Rob Allen, DNREC, from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of the sixth semi-annual analytical data package, 4/3/92. P. 304220-304220.
180. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Organic Data Review for Case 17772, 4/7/92. P. 304221-304346. The following are attached:
- a) the Organic Data Validation for Case 17772;
 - b) Appendix A, Glossary of Data Qualifiers;
 - c) Appendix B, Data Summary Forms;
 - d) Appendix C, Results as Reported by the Laboratory for all Target Compounds;
 - e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
 - f) Appendix E, Organic Regional Data Assessment Summary.
181. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Inorganic Data Review for Case 17772, 4/8/92. P. 304347-304397. The following are attached:
- a) the Inorganic Data Validation for Case 17772;
 - b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
 - c) Table 1B, Codes Used in Comments Column;
 - d) Table 2, Glossary of Data Qualifier Codes (Inorganic);

- e) Table 3, Samples Requiring Dilution;
 - f) Table 4, Data Summary Form: Inorganics;
 - g) Appendix A, Results Reported by Laboratory Form Inorganics;
 - h) Appendix B, TPO Report;
 - i) Appendix C, Support Documentation.
182. Tables, Baseline Condition Sample Results for Computation of Statistically Significant Increase, Harvey and Knott Drum Site, (no author cited), 5/92. P. 304398-304406.
183. Memorandum to RSMITH [sic] from Ms. Paula Retzler, U.S. EPA, re: Request for confirmation of soil clean up standards, 5/8/92. P. 304407-304408. A memorandum regarding triggers and averages for the removal/replacement of lead is attached.
184. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Mara I. Hlavacik, IT Corporation, re: Transmittal of a figure of the modified locations of MW-113 and MW-114 and water level data, 5/8/92. P. 304409-304411. A water level table is attached.
185. Letter to Ms. Paula Retzler, U.S. EPA, from Ms. Mara I. Hlavacik, IT Corporation, re: Transmittal of water level data, 5/15/92. P. 304412-304414. A water level table is attached.
186. Information packet, Draft Technical Review Comments, Harvey and Knott Drum Site, New Castle County, Delaware, Interim Report, (no author cited), (undated). P. 304415-304417.
187. Memorandum to Ms. Kate Lose, U.S. EPA, from Mr. Roy Smith, U.S. EPA, re: Soil clean-up levels, 7/21/92. P. 304418-304418.
188. Explanation of Significant Differences for the Harvey and Knott Drum Site, New Castle County, Delaware, 12/92. P. 304419-304492. A transmittal memorandum is

attached.

189. Report: Five-Year Review Report, Harvey & Knott, New Castle County, Delaware, prepared by U.S. EPA, 8/25/93.
P. 304493-304511.

IV. REMOVAL RESPONSE PLANNING

1. Report: Federal On-Scene Coordinator's Report, Major Pollution Incident, Harvey Knott Site #1, New Castle County, DE, May 1982 to October 1982, Immediate Removal Action, prepared by U.S. EPA, 5/82 to 10/82. P. 400001-400094.
2. Safety Plan forms, Harvey Knott #1, prepared by Ecology and Environment, Inc., 5/17/82. P. 400095-400098. A map of sample locations and a Site Safety Plan is attached.
3. Memorandum to Mr. Mike Zickler, U.S. EPA, from Mr. H.D. Van Cleave, U.S. EPA, re: Confirmation of a funding approval to provide a security fence, 5/18/82. P. 400099-400099.
4. Pollution Report #1, Harvey Knott Site, 5/24/82. P. 400100-400100.
5. Pollution Report #2, Harvey Knott Site, 6/3/82. P. 400101-400101.
6. Memorandum to Mr. Bruce Smith, U.S. EPA, from Mr. Gerard Crutchley, U.S. EPA, re: Sampling survey conducted at the site, 8/2/82. P. 400102-400104. A list of the sample locations and analysis is attached.
7. Pollution Report #4, Harvey Knott Site, 8/6/82. P. 400105-400105.
8. Memorandum to Mr. Phil Retallick, U.S. EPA, from Mr. H.D. Van Cleave, U.S. EPA, re: Confirmation of a ceiling increase to be used to overpack waste drums, 8/13/82. P. 400106-400106.
9. Pollution Report #5, Harvey Knott Site, 9/2/82. P. 400107-400107.
10. Pollution Report #6, Harvey Knott Site, 9/2/82. P. 400108-400108.
11. Report: Fund Authorization Report, Harvey-Knotts #1, Old County Road, New Castle, Delaware, (no author cited), (undated). P. 400109-400111.
12. Report: Statement of Work for Immediate Removal Activities at Harvey Knott Site, (no author cited),

(undated). P. 400112-400117.

13. Report: Site Safety Plan, Harvey Knott Site, New Castle County, DE, (no author cited), (undated).
P. 400118-400123.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Fact Sheet, re: Site activities, (no author cited), 5/14/82. P. 500001-500002.
2. Letter from the State of Delaware to Residents, re: Results of chemical analysis of water samples, 5/17/82. P. 500003-500004. A letter regarding contamination assessment is attached.
3. Status Report #: 1, Significant Issues/Situation Status on Harvey Knott Drum Site, prepared by U.S. EPA, 5/18/82. P. 500005-500006. A table, Inorganic and Organic Compounds Identified in Sample Results, is attached.
4. Record of communication of Chris Altomari, U.S. EPA, with Ms. Ramona Trovato, U.S. EPA, re: Residential well sampling results, 8/4/82. P. 500007-500007.
5. Letter to Mr. Leonard Minnix from Ms. Heather Gray, U.S. EPA, re: Request to sample Mr. Minnix's drinking water well, 9/1/83. P. 500008-500009. A permission slip is attached.
6. Letter to Mr. John C. Boulden from Ms. Heather Gray, U.S. EPA, re: Request to sample Mr. Boulden's drinking water well, 9/1/83. P. 500010-500011. A permission slip is attached.
7. Letter to Mrs. David Jones from Ms. Heather Gray, U.S. EPA, re: Request to sample Mrs. Jones' drinking water well, 9/1/83. P. 500012-500013. A permission slip is attached.
8. Letter to Ms. Ann Cardinal, U.S. EPA, from Ms. Marilyn E. Harmer, re: Concerns about the quality of drinking water and health problems that Mrs. Harmer has suffered from recently, 9/7/85. P. 500014-500015.
9. Meeting Summary for Harvey and Knott Drum Site, 9/12/85. P. 500016-500018. An information packet entitled, Summary of Citizen's and Interested-Party Comments and Concerns and of U.S. Environmental Protection Agency Responses, is attached.

10. Letter to the Regional Administrator, U.S. EPA, from Mr. John A. Jester, Mrs. Anne T. Jester, and Mr. Marc I. Jester, re: Concerns and opinions about the proposed monitoring and restoration project, 9/17/85. P. 500019-500020.
11. Report: Community Relations Plan, Harvey and Knott Drum Site, New Castle County, Delaware, prepared by NUS Corporation, 3/86. P. 500021-500046.
12. U.S. EPA and DNREC Fact Sheet, re: Preferred remedial alternatives for the Harvey and Knott Superfund Site, (undated). P. 500047-500049. A fact sheet regarding the preferred remedial alternative and Table ES-1, Summary of Remedial Action Alternatives, is attached.
13. Fact Sheet, Harvey and Knott Landfill #1, (no author cited), (undated). P. 500050-500051. A site map is attached.